

#4

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/724,583 DATE: 12/19/2000  
 TIME: 16:58:07

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\12192000\I724583.raw

```

3 <110> APPLICANT: Saris, Christian M.
4 Giles, Jennifer
5 Mu, Sharon X
6 Xia, Min
7 Bass, Michael B.
8 Craveiro, Roger
10 <120> TITLE OF INVENTION: Interleukin-1 Receptor Antagonist-Related Molecules and
11 Uses Thereof
13 <130> FILE REFERENCE: 00-1213
15 <140> CURRENT APPLICATION NUMBER: US/09/724,583
C--> 16 <141> CURRENT FILING DATE: 2000-11-28
18 <150> PRIOR APPLICATION NUMBER: 60/170,191
19 <151> PRIOR FILING DATE: 1999-12-10
21 <150> PRIOR APPLICATION NUMBER: 60/188,053
22 <151> PRIOR FILING DATE: 2000-03-09
24 <150> PRIOR APPLICATION NUMBER: 60/194,521
25 <151> PRIOR FILING DATE: 2000-04-04
27 <150> PRIOR APPLICATION NUMBER: 60/195,910
28 <151> PRIOR FILING DATE: 2000-04-10
30 <160> NUMBER OF SEQ ID NOS: 37
32 <170> SOFTWARE: PatentIn Ver. 2.0
34 <210> SEQ ID NO: 1
35 <211> LENGTH: 1020
36 <212> TYPE: DNA
37 <213> ORGANISM: Homo sapiens
39 <220> FEATURES:
40 <221> NAME/KEY: CDS
41 <222> LOCATION: (61) (522)
43 <400> SEQUENCE: 1
44 caaggatccag ggllccaggga acfcaggatc tgcagtgagg acccaqacac acgatgagca G0
46 gga atg tgt tcc ctg ccc atg gca aga tac tac ata att aaa tat gca 108
47 Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala
48 1 5 10 15
50 gac cag aag gct cta tac aca aga gat ggc cag ctg ctg ggg aat 156
51 Asp Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp
52 20 25 30
54 cct gtt gca gac aac tgc tgt gca gag aag atc tgc aca ctt cct aac 204
55 Pro Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn
56 35 40 45
58 aga gac ttg gac cgc acc aag gtc ccc att ttc ctg ggg atc cag gga 252
59 Arg Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly
60 50 55 60
62 ggg agc cgc tgc ctg gca tgt glg gag aca gaa gag ggg cct tcc cta 300
63 Gly Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Gln Gly Pro Ser Leu
64 65 70 75
66 cag ctg gag gat glg aac att gag gaa ctg tac aca ggt ggt gaa gaa 348
67 Gln Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu

```

DATE: 12/19/2000

DATE: 12/19/20  
TIME: 16:58:07

Output Set: N:\CRF3\12192000\I724583.raw

file:///C:/Crf3/Outhold/VsrI724583.htm

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/724,583  
 DATE: 12/19/2000  
 TIME: 16:58:07

Input Set : A:\Pto.amc  
 Output Set : N:\CRF3\12192000\I724583.raw

```

143 <21> ORGANISM: Homo sapiens
145 <220> FEATURES:
146 <221> NAME/KEY: CDS
147 <222> LOCATION: (64)..(522)
149 <400> SEQUENCE: 3
150 caaggaacaa ggttcagga actcaggatc tgcagttagg accagacacc atgaltgca 60
152 aga atg tgt tcc ctc ccc atg aca aca tac tac ata att aaa tat gca 108
153 Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala
154 1 5 10 15
156 aac caa aag gct cta tac aca aga gat gac caa ctg ctg gga gat 156
157 Asp Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp
158 20 25 30
160 cct gtt aca gac aac tgc tat gca aag aag atc tgc ata ctt cct aac 204
161 Pro Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Ile Leu Pro Asn
162 35 40 45
164 aga aac ttg gct cgc acc aag gtc ccc att ttc ctg gga atc caa aca 252
165 Arg Gly Leu Ala Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly
166 50 55 60
168 ggg agc cgc tgc ctg gca tgt gta gaa aca gaa gaa gga cct tcc cta 300
169 Gly Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu
170 65 70 75
172 cag ctg gaa gat gta aac att gaa aac ctg tac aaa ggt ggt gaa gag 348
173 Gln Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu
174 80 85 90 95
176 acc aca cgc ttc acc ttc ttc caa agc agc tca ggc tcc acc ttc aag 396
177 Ala Thr Arg Phe Thr Phe Phe Glu Ser Ser Gly Ser Ala Phe Arg
178 100 105 110
180 ctt aag gct gct gct tgg cct gac tgg ttc ctg tat ggc ccy aca gag 441
181 Leu Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu
182 115 120 125
184 acc caa caa cca gla caa ctg acc aag gaa agt aag ccc tca gcc cgt 492
185 Pro Gln Glu Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg
186 130 135 140
188 acc aag ttt tcc ttt gaa caa agc tgg taq ggaagacaga aactgcgttt 542
189 Thr Lys Phe Tyr Phe Glu Glu Ser Trp
190 145 150
192 tagctttatg cccccaacc aaactcacc tgcctaggtt ctatgtagg caaataaatg 692
194 tcccccaaa tatgtccaca tccatctccc aagatctatg catatgtac catatctgtg 662
196 caaagaactt ttgcataatg gat tatgta agaatcttga atagagaga catctctggg 722
198 ttatcttat agctcattt taatccaaag aaggaagcaa aaggaagaa tcaaaagaa 782
200 aatggaagat accatgttct taatttga aaatgaatna ggggcttga gcaacaaal 812
202 ggaagtgatt ttgaaggtg gaabaagcaa gggaaagaa tctctctag auctcaggaa 902
204 aaggaacacag ctcttgacac atggaattca gctcagtag accaatttca gactttgac 962
206 ctcccaact ataaataaat aaacttggt tatgtaac ctctaaaga aaaaaaaa 1020
208 <210> SEQ ID NO: 1
210 <211> LENGTH: 132
211 <212> TYPE: PRY
212 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 4

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/724,583  
 DATE: 12/19/2000  
 TIME: 16:58:07

Input Set: A:\Pto.amc  
 Output Set: N:\CRF3\12192000\I724583.raw

```

215 Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala Asp
216      5      10      15
218 Gln Cys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp Pro
219      20      25      30
221 Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Ile Leu Pro Asn Arg
222      35      40      45
224 Gly Leu Ala Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly
225      50      55      60
227 Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln
228      65      70      75
230 Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu Ala
231      85      90      95
233 Thr Arg Phe Thr Phe Phe Gln Ser Ser Gly Ser Ala Phe Arg Leu
234      100      105      110
236 Glu Ala Ala Ala Trp Pro Gly Tip Phe Leu Cys Gly Pro Ala Gln Pro
237      115      120      125
239 Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg Thr
240      130      135      140
242 Lys Phe Tyr Phe Glu Gln Ser Trp
243 145      150
246 <210> SEQ ID NO: 5
247 <211> LENGTH: 744
248 <212> TYPE: DNA
249 <213> ORGANISM: Homo sapiens
250 <220> FEATURE:
252 <221> NAME/KEY: CDS
253 <222> LOCATION: (58)..(573)
255 <223> SEQUENCE: 5
256 gctccgcgcga ggagaagga acattctnag ggaattctac accctgttga gctcaag 57
258 atg gtc ctg agt gga ggc ctg tac ttc cgt gag gac cag aca cca ctg 105
259 Met Val Leu Ser Gly Ala Leu Cys Phe Arg Glu Asp Glu Thr Pro Leu
260      1      5      10      15
262 att gca gga atg tat ttc ttc ccc atg gga aua tgc tac ata att aaa 153
263 Ile Ala Gly Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys
264      20      25      30
266 tat gca gac cag aag gct cta tac aca aga gat ggc cag ctg cta ctg 201
267 Tyr Ala Asp Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val
268      35      40      45
270 gga gat cct gtt ggc gac aac tgc tgt gca gaa aag ata tgc ata ctt 249
271 Gly Asp Pro Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Ile Leu
272      50      55      60
274 cct aac aga ggc ttg gcc cgc acc aga gtc ccc att ttc ctg gag atc 297
275 Pro Asn Arg Gly Leu Ala Arg Thr Lys Val Pro Ile Phe Leu Gly Ile
276      65      70      75
278 caa gga ggg aac ggc tgc cta cca tgc atg gag aca gaa gag ggc cct 345
279 Gln Gly Gly Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro
280      85      90      95
282 tcc cta cag ctg gag gat gtc aac att gag gaa ctg tac aac aat ggt 393
283 Ser Leu Gln Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/724,583

DATE: 12/19/2000  
 TIME: 16:58:07

Input Set : A:\Pto.amc  
 Output Set: N:\CRFJ\12192000\1724583.raw

```

284          100          105          110
286 gaa gag gcc aca cgc ttc acc ttc cag agc agc tca ggc tcc gcc 441
287 Glu Glu Ala Thr Arg Phe Thr Phe Phe Glu Ser Ser Ser Gly Ser Ala
288          115          120          125
290 ttc aag ctt gag gct gct gcc tag cct ggc tgg ttc ctg tgt ggc ccg 489
291 Phe Arg Leu Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro
292          130          135          140
294 gca gag ccc cag caa cca gta caa ctc acc aag gag agt gag ccc tca 537
295 Ala Glu Pro Glu Glu Pro Val Glu Leu Thr Lys Glu Ser Glu Pro Ser
296          145          150          155
298 gcc cgt acc aag ttt tac ttt gaa cag agc tgg tag ggaacacaga 583
299 Ala Arg Thr Lys Phe Tyr Phe Glu Glu Ser Trp
300          165          170
302 aactgcgttt taqctttatg ccccccaacc aaactcctcc tgcacaggt ctatgtaag 643
304 caaaataatg tcccccaaaa tatgtccaca tctaatccc aagatctgtg catatgttac 703
306 ctatgtatgc caaaatatt ttcaaatgt gattatgtta a 741
309 <210> SEQ ID NO: 6
310 <211> LENGTH: 171
311 <212> TYPE: PRT
312 <213> ORGANISM: Homo sapiens
314 <400> SEQUENCE: 6
315 Met Val Leu Ser Gly Ala Leu Cys Phe Arg Glu Asp Glu Thr Pro Leu
316          1          5          10          15
318 ile Ala Gly Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile ile Lys
319          20          25          30
321 Tyr Ala Asp Glu Lys Ala Leu Tyr Thr Arg Asp Gly Glu Leu Leu Val
322          35          40          45
324 Gly Asp Pro Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Ile Leu
325          50          55          60
327 Pro Asn Arg Gly Leu Ala Arg Thr Lys Val Pro Ile Phe Leu Gly Ile
328          65          70          75          80
330 Glu Gly Gly Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro
331          85          90          95
333 Ser Leu Glu Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly
334          100          105          110
336 Glu Glu Ala Thr Arg Phe Thr Phe Phe Glu Ser Ser Ser Gly Ser Ala
337          115          120          125
339 Phe Arg Leu Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro
340          130          135          140
342 Ala Glu Pro Glu Glu Pro Val Glu Leu Thr Lys Glu Ser Glu Pro Ser
343          145          150          155
345 Ala Arg Thr Lys Phe Tyr Phe Glu Glu Ser Trp
346          165          170
349 <210> SEQ ID NO: 7
350 <211> LENGTH: 269
351 <212> TYPE: PRT
352 <213> ORGANISM: Homo sapiens
354 <400> SEQUENCE: 7
355 Met Ala Glu Val Pro Lys Leu Ala Ser Glu Met Met Ala Tyr Tyr Ser

```

VERIFICATION SUMMARY                      DATE: 12/19/2000  
PATENT APPLICATION:    US/09/724,583        TIME: 16:58:06

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\12192000\I724583.raw

L:15 N:270 C: Current Application Number differs, Replaced Application Number  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date